

BNL ISM/Safety Improvement Project Plan (ATS# 2944)

ID	WBS	Task Name	% Complete	Actual Start	Baseline Start	Actual Finish	Baseline Finish
1	0	BNL ISM/Safety Improvement Project	40%	Mon 12/12/05	Mon 5/1/06	NA	Tue 8/19/08
2	1.0	Institutional Feedback & Performance Improvement Initiatives	35%	Wed 3/1/06	Mon 5/1/06	NA	Fri 11/2/07
3	1.1	Laboratory Strategy-Focused Framework	35%	Mon 5/1/06	Mon 5/1/06	NA	Wed 4/25/07
4	1.1.1	Complete initial SFA Planning and Performance Management Documents -- Start and Kickoff Parallel Task/Activities	40%	Mon 5/1/06	Mon 5/1/06	NA	Fri 9/29/06
5	1.1.2	Realign Quarterly Institutional Level Reporting Along SFA Framework	49%	Wed 5/3/06	Mon 10/2/06	NA	Fri 12/29/06
6	1.1.3	Develop and Implement Management Symposia	10%	Tue 8/1/06	Tue 1/2/07	NA	Fri 5/25/07
7	1.1.4	Develop, Publish, and Implement Integrated Planning and Performance Management/Assurance Calendar	50%	Fri 6/2/06	Fri 7/7/06	NA	Sat 9/30/06
8	1.2	Institutional Decision Making and Assurance Processes	52%	Mon 5/1/06	Mon 5/1/06	NA	Wed 6/20/07
9	1.2.1	Define and Develop SFA Analysis Capability	0%	NA	Thu 4/26/07	NA	Fri 9/28/07
10	1.2.2	Establish Institutional Prioritization Framework	5%	Wed 11/29/06	Wed 11/29/06	NA	Sun 12/31/06
11	1.2.3	Define and Implement a Contractor Assurance Process	99%	Mon 5/1/06	Mon 5/1/06	NA	Sat 9/30/06
12	1.2.4	Event/Issues Management Processes	70%	Mon 5/1/06	Mon 5/1/06	NA	Sun 12/31/06
13	1.2.5	Upgrade/Re-Tool the Assessment Tracking System	99%	Mon 5/1/06	Mon 5/1/06	NA	Wed 2/28/07
14	1.2.6	Establish Common Institutional Level Data Collection and Reporting Process and Tool	0%	NA	Fri 12/15/06	NA	Fri 3/30/07
15	1.3	Align Resource Allocation Processes	0%	NA	Mon 9/18/06	NA	Wed 4/4/07
16	1.3.1	Refine and Redefine Institutional Level Discretionary Allocation Processes Description	0%	NA	Mon 9/18/06	NA	Sun 12/31/06
17	1.3.2	Define and Implement an Organizational Unit Business Planning Process	0%	NA	Tue 1/2/07	NA	Fri 7/27/07
18	1.3.3	Integrate Decision and Budget Allocation Processes into Planning and Performance Management/Assurance Calendar	0%	NA	Tue 1/2/07	NA	Fri 5/25/07
19	1.4	Verify Sustainability & Effectiveness	37%	Wed 3/1/06	Mon 5/1/06	NA	Fri 11/2/07
20	1.4.1	Complete comprehensive gap analysis against key program design input requirements and expectations	100%	Mon 5/15/06	Tue 6/20/06	Wed 7/19/06	Thu 7/20/06
21	1.4.2	Update Re-Engineering Project Plan as necessary to address gaps identified under WBS Activity 1.4.1	100%	Mon 7/17/06	Thu 7/20/06	Thu 8/31/06	Sun 7/30/06
22	1.4.3	Review and update as necessary middle management and staff R2A2s and Performance Plans/Personal Goals to Reflect Strategy Execution and Assurance	22%	Thu 6/8/06	Mon 7/9/07	NA	Fri 9/28/07
23	1.4.4	Complete Analysis of the Adequacy of Institutional Commitment to Independent Oversight (third party review)	100%	Wed 3/1/06	Mon 5/1/06	Fri 8/25/06	Fri 8/25/06
24	1.4.5	Review and Refine as Necessary Roles and Practices of Institutional Councils	100%	Mon 6/19/06	Mon 6/12/06	Wed 8/30/06	Fri 9/29/06
25	1.4.6	Review Organizational Roles, Structure, and Resources and Make necessary changes to optimize effectiveness and efficiency of on-going administration of performance Management Processes	0%	NA	Mon 4/2/07	NA	Fri 6/29/07
26	1.4.7	Review and update as necessary Senior Management R2A2s and performance plans/personal goals to reflect strategy execution and assurance	50%	Mon 7/24/06	Mon 8/7/06	NA	Fri 9/29/06

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27	1.4.8	Conduct an effectiveness review of the performance Management Program re-engineering effort	0%	NA	Mon 6/18/07	NA	Fri 11/2/07
28	1.4.9	Establish and implement a process to verify personnel responsible for managing and performing assurance activities	0%	NA	Mon 8/6/07	NA	Fri 9/28/07
29	1.4.10	Establish minimum requirements for personnel responsible for managing and performing assurance activities (address gap analysis finding "personnel possess appropriate experience, knowledge, skills and abilities"). Include in contractor assurance descript	0%	NA	Fri 10/13/06	NA	Fri 12/8/06
30	2.0	Work Planning & Control Performance Improvement Initiatives	23%	Wed 3/15/06	Mon 5/1/06	NA	Mon 12/11/06
31	2.1	Work Performance Improvement Initiatives	26%	Wed 3/15/06	Mon 5/1/06	NA	Mon 12/11/06
32	2.1.1	Integrate Work Planning & Control into the Laboratory's Strategic Planning Process	100%	Mon 5/15/06	Mon 5/22/06	Fri 6/9/06	Mon 6/19/06
33	2.1.1.1	Assign a work planning and control representative to the ESS&H SFA Team	100%	Mon 5/15/06	Mon 5/22/06	Fri 5/26/06	Mon 5/29/06
34	2.1.1.2	Incorporate a strong commitment to work planning & control into the SFA goals and objective for the ESS&H SFA	100%	Mon 6/5/06	Fri 6/9/06	Fri 6/9/06	Mon 6/19/06
35	2.1.2	Create a Culture of "All Work is Planned" and Supporting Procedures and Methodologies	5%	Mon 5/15/06	Mon 5/22/06	NA	Thu 11/2/06
36	2.1.2.1	Define and implement a "Worker Planned Work" process (i.e. re-define and enhance skill of the worker determinations hazard-analysis requirements and communication of hazards)	10%	Mon 5/15/06	Mon 5/29/06	NA	Fri 10/20/06
37	2.1.2.2	Evaluate the quality of job risk assessments based on their impact on worker planned work and institutional risk. Revise/update JRA's as appropriate	0%	NA	Fri 5/25/07	NA	Fri 9/14/07
38	2.1.2.3	Develop a process to fully integrate Job Risk Analyses and Facility Risk Analyses into the Work Planning & Control Process	5%	Mon 5/15/06	Mon 5/29/06	NA	Fri 10/20/06
39	2.1.2.4	Improve processes for hazards analysis and mitigation where multiple hazards exist and interact; e.g. multi-craft jobs	5%	Thu 6/29/06	Thu 7/20/06	NA	Fri 10/20/06
40	2.1.2.5	Integrate Lessons-Learned data into all Work Planning & Control processes	1%	Tue 6/27/06	Mon 6/26/06	NA	Fri 10/20/06
41	2.1.2.6	Develop requirements for consideration of multiple hazards and their interaction	1%	Thu 6/29/06	Thu 7/27/06	NA	Fri 10/20/06
42	2.1.3	Clarify Building Manager Role in Work Planning & Control	100%	Mon 5/1/06	Mon 5/1/06	Fri 8/11/06	Thu 11/2/06
43	2.1.3.1	Evaluate the data collected from the Bldg Manager work notification pilot and use the results to define the role of the Bldg Manager in WP&C, specifically the required interaction between Bldg Manager & WCM.	100%	Mon 5/1/06	Mon 5/1/06	Fri 8/11/06	Wed 7/12/06
44	2.1.4	Address Gaps in ISM Flow down Processes for Subcontractors and Vendors	88%	Wed 3/15/06	Mon 5/1/06	NA	Thu 11/2/06
45	2.1.4.1	Supplement existing ISM requirements flow-down procurement processes to include small contracts, service work, and warranty work where actual work is performed on site	100%	Wed 3/15/06	Mon 5/1/06	Thu 6/8/06	Fri 6/2/06
46	2.1.4.2	Modify contract, purchase order, and other procurement terms and conditions	100%	Mon 5/15/06	Mon 6/5/06	Fri 7/7/06	Mon 6/19/06
47	2.1.4.3	Integrate review and approval of web requisitions by WCMs and/or Coordinators where work is to be performed on-site. Provide training on the new process and implement/go live	75%	Mon 5/15/06	Tue 6/20/06	NA	Thu 7/20/06
48	2.1.5	Work Planning Processes for Job Change Control	40%	Mon 5/15/06	Mon 5/29/06	NA	Thu 11/2/06

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49	2.1.5.1	Develop procedures for addressing "scope creep" or changes in the work after the completion of initial planning	50%	Mon 5/15/06	Mon 5/29/06	NA	Wed 7/26/06
50	2.1.5.2	Conduct workshops/training with Work Control Managers/Coordinators and workers to communicate job change control process and institutional expectations	0%	NA	Fri 11/24/06	NA	Fri 12/1/06
51	2.1.6	Upgrade Work Planning & Control Management System Assessment Plan	2%	Mon 5/15/06	Fri 11/3/06	NA	Mon 12/11/06
52	2.1.6.1	Define success factors for the WP&C Management System	0%	NA	Fri 11/3/06	NA	Thu 11/9/06
53	2.1.6.2	Define the risks associated with the management system	0%	NA	Fri 11/3/06	NA	Thu 11/9/06
54	2.1.6.3	Identify quantitative measures to track and report management system performance	0%	NA	Fri 11/10/06	NA	Mon 11/27/06
55	2.1.6.4	Incorporate measures into quarterly reporting of management system status as part of Contractor and Corporate Assurance	5%	Mon 5/15/06	Tue 11/28/06	NA	Mon 12/11/06
56	2.1.6.5	Formalize the role of WCMs quarterly feedback session in management system assessment and improvement planning	5%	Mon 5/15/06	Fri 11/17/06	NA	Mon 11/27/06
57	2.1.6.6	Update the WP&C Assessment Tool	0%	NA	Tue 11/28/06	NA	Mon 12/4/06
58	2.1.7	Integrate Human Performance Factors Principles into the Work Planning and Control Management System	3%	Fri 7/21/06	Thu 7/27/06	NA	Thu 11/2/06
59	2.1.7.1	Integrate the "Four Key Questions" into the Pre-Job briefing process	5%	Fri 7/21/06	Thu 7/27/06	NA	Wed 8/30/06
60	2.1.7.2	Develop an approach to include error precursors in the hazards analysis process	5%	Mon 7/24/06	Thu 7/27/06	NA	Wed 8/30/06
61	2.1.7.3	Develop and provide longer term recommendations for a more comprehensive integration process to the MS Steward	0%	NA	Thu 8/31/06	NA	Thu 10/5/06
62	2.2	Work Planning and Control Qualification/Training	19%	Mon 5/1/06	Mon 5/1/06	NA	Fri 11/17/06
63	2.2.1	Upgrade Work Control Manager and Coordinator Training & Qualifications	38%	Mon 5/1/06	Mon 5/1/06	NA	Thu 11/2/06
64	2.2.1.1	Review Current training & qualifications requirements for Work Control Mangers and Work Control Coordinators	100%	Mon 5/1/06	Mon 5/1/06	Mon 6/12/06	Mon 6/12/06
65	2.2.1.2	Revise Existing training and add new requirements as appropriate	25%	Mon 5/15/06	Tue 6/13/06	NA	Thu 8/10/06
66	2.2.1.3	Develop a schedule for re-qualifying Work Control Managers and Coordinators through training & testing	0%	NA	Fri 8/11/06	NA	Fri 9/8/06
67	2.2.1.4	Update the Work Planning & Control Management System and Subject Areas, and Job Training Assessment (JTA) as applicable	0%	NA	Tue 10/17/06	NA	Thu 11/2/06
68	2.2.2	Revitalize the Training Program for Work Control Managers & Work Control Coordinators	0%	NA	Fri 8/11/06	NA	Fri 11/17/06
69	2.2.2.1	Develop a classroom training curriculum that offers scenario-based, or "case study" training	0%	NA	Fri 8/11/06	NA	Fri 9/15/06
70	2.2.2.2	Add to or enhance the following elements of the training program (screening work, preparing work permits, performing job hazard analyses, job walk-down and job review, pre and post-job briefing, & soliciting worker feedback	0%	NA	Fri 8/18/06	NA	Fri 9/15/06
71	2.2.2.3	Upgrade the computer (web) based training to incorporate case studies	0%	NA	Mon 9/18/06	NA	Fri 10/27/06
72	2.2.2.4	Institute learning validation through testing	0%	NA	Mon 10/30/06	NA	Fri 11/17/06

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73	2.2.2.5	Incorporate training program changes into the Work Planning & Control Management System Description and Subject Areas as applicable	0%	NA	Fri 10/27/06	NA	Thu 11/2/06
74	2.2.2.6	Incorporate all changes resulting from corrective actions in this plan in the revised WCM/WCC training/re-training as applicable	0%	NA	Fri 10/27/06	NA	Fri 11/3/06
75	2.3	WP&C Management System and Subject Area Revisions/Updates. Includes the process for worker planned work, clarify the role of building managers, flowdown to subcontractors, training, job change control and human performance principles	5%	Fri 7/28/06	Mon 11/6/06	NA	Fri 12/29/06
76	3.0	Documentation Improvement Initiatives	41%	Mon 12/12/05	Mon 5/1/06	NA	Tue 8/5/08
77	3.1	Key Programmatic Document Initiatives	66%	Wed 2/1/06	Mon 5/1/06	NA	Fri 1/12/07
78	3.1.1	Consolidate three ISM Related Management Systems; Upgrade Program Description	24%	Mon 5/1/06	Mon 5/1/06	NA	Fri 1/12/07
79	3.1.1.1	Consolidate ISM Related Management Systems; Upgrade ISM Program Description	30%	Mon 5/1/06	Mon 5/1/06	NA	Thu 11/16/06
80	3.1.1.2	Designate a single point of contact for the new management system	0%	NA	Fri 11/17/06	NA	Mon 11/27/06
81	3.1.1.3	Develop a presentation to actively communicate the significant changes resulting from this consolidation	0%	NA	Tue 11/28/06	NA	Fri 1/12/07
82	3.1.2	Incorporate Annual ISM Documentation Review into Lab Planning & Assessment	0%	NA	Mon 9/25/06	NA	Sat 9/30/06
83	3.1.3	Correct specific Procedure Deficiencies from Evaluation of ISM Assessment	100%	Wed 2/1/06	Mon 5/1/06	Fri 8/25/06	Wed 8/30/06
84	3.1.3.1	Review Evaluation of ISM Report and capture all references to documentation/procedure deficiencies	100%	Wed 2/1/06	Mon 5/1/06	Fri 5/5/06	Mon 8/7/06
85	3.1.3.2	Distribute deficiencies to appropriate management system stewards for correction	100%	Mon 2/20/06	Tue 8/8/06	Fri 6/2/06	Wed 8/16/06
86	3.1.3.3	Submit Notice of Intent (NOI) to the SBMS Office for incorporation into the SBMS Completion Project	100%	Fri 6/30/06	Thu 8/17/06	Fri 8/25/06	Thu 8/31/06
87	3.1.4	Realign Management System Steward Reporting Structure	100%	Mon 5/1/06	Mon 5/1/06	Fri 7/28/06	Tue 8/1/06
88	3.1.4.1	Revise appropriate SBMS documentation to reflect new reporting relationship	100%	Mon 5/1/06	Mon 5/1/06	Fri 7/28/06	Tue 8/1/06
89	3.1.4.2	Brief Laboratory Director and Deputy Director for Science on their new responsibilities	100%	Fri 7/21/06	Thu 7/27/06	Fri 7/28/06	Fri 7/28/06
90	3.1.4.3	Deliver to the HR Management System Steward/Point of Contact additional R2A2 responsibilities for Lab Director, DDO, DDS and MSS's	100%	Mon 7/24/06	Mon 7/31/06	Fri 7/28/06	Tue 8/1/06
91	3.1.5	Roll- up Roles and Responsibilities to Management System Level; Include Management System Stewards and Points of Contact	82%	Wed 5/3/06	Mon 5/22/06	NA	Wed 11/1/06
92	3.1.5.1	Revise SBMS Document guidelines to incorporate a requirement that all roles and responsibilities in any management system documents be summarized in the management system description	100%	Wed 5/3/06	Fri 9/29/06	Fri 5/18/07	Thu 10/26/06
93	3.1.5.2	Search all SBMS documents to identify all such roles and responsibilities	95%	Thu 6/1/06	Mon 5/22/06	NA	Wed 8/2/06
94	3.1.5.3	Update management system descriptions as appropriate	5%	Wed 7/5/06	Mon 8/7/06	NA	Fri 8/25/06
95	3.1.5.4	Summarize management system responsibilities by position	95%	Thu 6/1/06	Mon 8/28/06	NA	Thu 9/28/06
96	3.1.5.5	Deliver to the Human Resources Management System Steward/POC for incorporation of responsibilities in MSS and Point of Contact R2A2s	5%	Fri 8/11/06	Fri 9/29/06	NA	Wed 11/1/06

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97	3.2	Requirements Management Implementation	25%	Mon 12/12/05	Mon 5/1/06	NA	Fri 8/15/08
98	3.2.1	Complete the SBMS Requirements Verification	29%	Mon 12/12/05	Mon 5/1/06	NA	Fri 8/15/08
99	3.2.1.1	Develop software tools to facilitate and document the requirements management process requirements management	87%	Mon 12/12/05	Mon 5/1/06	NA	Mon 1/22/07
100	3.2.1.2	Pilot the requirements management process and prepare guidelines for management system stewards	3%	Mon 5/1/06	Mon 5/1/06	NA	Tue 5/1/07
101	3.2.1.3	Bin management systems into four phases based on institutional risk impact	100%	Mon 5/15/06	Wed 5/2/07	Fri 5/19/06	Tue 10/16/07
102	3.2.1.4	Train management system stewards in the requirements management tools and processes	50%	Thu 8/3/06	Wed 10/17/07	NA	Tue 11/27/07
103	3.2.1.5	Execute the requirements process in phases based on the binning activity	7%	Mon 5/15/06	Wed 10/17/07	NA	Tue 5/27/08
104	3.2.1.6	Publish revised SBMS Documents as applicable	0%	NA	Wed 5/28/08	NA	Fri 8/15/08
105	3.2.2	Re-baseline and Finish the SBMS Completion Project	10%	Fri 5/26/06	Thu 6/1/06	NA	Sat 12/30/06
106	3.2.2.1	Update the SBMS Completion Project Scope, responsibilities, and schedules	41%	Fri 5/26/06	Thu 6/1/06	NA	Fri 8/18/06
107	3.2.2.2	Secure commitment of contributed and/or incremental resources	0%	NA	Tue 8/22/06	NA	Fri 10/20/06
108	3.2.2.3	Implement the SBMS Completion Project in accordance with the approved plan	0%	NA	Mon 8/21/06	NA	Sat 12/30/06
109	4.0	Communication & Involvement Initiatives	61%	Wed 3/1/06	Mon 5/1/06	NA	Mon 1/8/07
110	4.1	New / Revised Document Communications	61%	Wed 3/1/06	Mon 5/1/06	NA	Mon 1/8/07
111	4.1.1	Communicate Revisions and Work Control Requirements	0%	NA	Wed 12/6/06	NA	Mon 1/8/07
112	4.1.2	ISM Operations Communications-General Awareness Presentation/Handout	100%	Wed 3/1/06	Mon 5/1/06	Fri 8/18/06	Mon 8/28/06
113	4.1.3	Operations Forum Evaluation / Implementation	67%	Wed 3/1/06	Wed 6/28/06	NA	Thu 2/15/07
114	4.1.4	Worker Safety and Health / ISM Consolidated Management System	1%	Tue 8/1/06	Mon 11/6/06	NA	Tue 12/5/06
115	4.1.5	Barrier Analysis & Five Whys Causal Analyses workshops	50%	Mon 7/31/06	Tue 8/1/06	NA	Fri 12/29/06
116	4.1.6	Human Performance Strategy Development & Implementation	30%	Mon 8/21/06	Mon 8/28/06	NA	Fri 10/27/06
117	5.0	Collider Accelerator Arc Flash Type B Incident	39%	Mon 5/1/06	Mon 5/1/06	NA	Mon 4/30/07
118	5.1	DOE Type B Team Interim Recommendations	45%	Mon 5/1/06	Mon 5/1/06	NA	Mon 4/30/07
119	5.1.1	Doe Team Interim Recommendation #1 -- Dress for Hazard Category for 480v circuit breaker and switch operation. Interim action to remain in place until Laboratory actions are completed.	100%	Mon 5/1/06	Mon 5/1/06	Mon 7/24/06	Thu 9/28/06
120	5.1.1.1	Lab Action #1 Review the NFPA 70E standards and review their adequacy for personal protective equipment	100%	Mon 5/1/06	Mon 5/1/06	Fri 7/7/06	Thu 9/7/06
121	5.1.1.2	Lab action #2 Upgrade the Laboratory Electrical Safety Standards to better address arc flash personal protective equipment	100%	Mon 5/1/06	Mon 5/1/06	Fri 7/21/06	Thu 9/7/06
122	5.1.1.3	Publish upgraded standard in SBMS or local procedures as appropriate	100%	Fri 7/7/06	Fri 9/8/06	Mon 7/24/06	Thu 9/28/06

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123	5.1.2	DOE Team Interim Recommendation #2 -- Review the practice of racking circuit breakers with bus energized or inserting/removing MCC starter buckets while MCC is energized	53%	Mon 5/1/06	Mon 5/1/06	NA	Fri 7/28/06
124	5.1.2.1	Lab Action #1 Review current procedures to evaluate whether the practice of racking circuit breakers into live bus should be continued	100%	Mon 5/1/06	Mon 5/1/06	Mon 7/24/06	Fri 6/16/06
125	5.1.2.2	Lab Action #2 Benchmark practices for MCC bucket insertion/removal with other Laboratory Electrical Safety Standards	100%	Mon 5/22/06	Mon 6/5/06	Mon 7/24/06	Fri 6/16/06
126	5.1.2.3	Lab Action #3 Modify lab procedures and publish in SBMS and/or local procedures to include requirements for Live bus operations	0%	NA	Fri 9/1/06	NA	Fri 12/1/06
127	5.1.2.4	Lab Action #4 Train/Communicate Laboratory electrical workers in the updated procedures	0%	NA	Fri 12/1/06	NA	Fri 12/22/06
128	5.1.3	DOE Team Interim Recommendation #3 -- Activate/Install ground fault detection systems	24%	Mon 7/24/06	Mon 5/1/06	NA	Mon 4/30/07
129	5.1.3.1	Lab Action #1 Review the status of ground fault indicating relays to verify that they are appropriately set and connected to an alarm monitoring system	85%	Mon 7/24/06	Mon 5/1/06	NA	Thu 9/21/06
130	5.1.3.2	Lab Action #2 Install/correct/connect relays as needed	20%	Mon 7/24/06	Fri 9/22/06	NA	Tue 3/13/07
131	5.1.3.3	Lab Action #3 Develop/Review procedures for responding to ground fault conditions	0%	NA	Fri 9/22/06	NA	Thu 10/19/06
132	5.1.3.4	Lab Action #4 Modify the Laboratory Electrical Safety Standards, if applicable	0%	NA	Wed 3/14/07	NA	Mon 4/30/07
133	5.1.3.5	Train the Laboratory's electrical workers in updated procedures	0%	NA	Tue 4/24/07	NA	Fri 6/8/07
134	5.1.4	DOE Team Interim Recommendation #4 -- Install systems to minimize voltage transients on undergrounded (floating delta) systems	48%	Mon 5/1/06	Mon 5/1/06	NA	Thu 9/7/06
135	5.1.4.1	Lab Action #1 Conduct further electrical and mechanical forensic analysis to confirm the DOE Team's theory of what caused the arc flash event	100%	Mon 5/1/06	Mon 5/1/06	Wed 7/12/06	Fri 6/2/06
136	5.1.4.2	Lab Action #2 Design protection systems based on a full understanding of the technical cause	100%	Thu 7/6/06	Mon 6/5/06	Wed 7/26/06	Fri 6/23/06
137	5.1.4.3	Lab Action #3 Develop a plan for installing systems (a revised completion date for completion of electrical installation will be provided upon plan completion)	25%	Mon 5/1/06	Mon 5/1/06	NA	Thu 9/7/06
138	5.1.5	DOE Team Interim Recommendation #5 -- Develop and implement a project plan for incident energy calculations	70%	Mon 5/1/06	Mon 5/1/06	NA	Wed 7/26/06
139	5.1.5.1	Lab Action #1 Develop a project Plan for remaining calculation of the arc flash's incident energy calculations	100%	Mon 5/1/06	Mon 5/1/06	Mon 7/24/06	Fri 6/23/06
140	5.1.5.2	Lab Action #2 Implement the plan - (A revised completion date for completion of incident calculations will be provided upon completion of the plan)	20%	Fri 7/7/06	Mon 6/26/06	NA	Wed 7/26/06
141	5.1.6	DOE Team Interim Recommendation #6 -- Assure that Personal Protective Equipment Is Worn Properly	20%	Mon 5/1/06	Mon 5/1/06	NA	Fri 9/29/06
142	5.1.6.1	Lab Action #1 Review current practices for use of personal protective equipment	44%	Mon 5/1/06	Mon 5/1/06	NA	Fri 6/30/06
143	5.1.6.2	Lab Action #2 Include the wearing of PPE wear as an item in upcoming negotiations with the IBEW	100%	Mon 6/12/06	Thu 7/6/06	Tue 6/13/06	Mon 7/10/06

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144	5.1.6.3	Lab Action #3 Develop an enforcement plan for the uniform Laboratory standard and practice on wearing of PPE	0%	NA	Thu 7/6/06	NA	Fri 9/29/06
145	5.2	BNL Arc Flash Corrective Actions	14%	Mon 5/8/06	Mon 5/15/06	NA	Mon 11/20/06
146	5.2.1	Human Performance -Based Accident Investigation	100%	Mon 5/8/06	Mon 5/15/06	Tue 5/23/06	Wed 5/31/06
147	5.2.2	Electrical Safety Assessment	0%	NA	Wed 6/28/06	NA	Mon 11/20/06
148	5.2.3	Electrical Safety Effectiveness Review	10%	Mon 6/26/06	Wed 6/28/06	NA	Fri 8/25/06
149	5.2.4	Lessons Learned Review	95%	Mon 5/29/06	Mon 8/28/06	NA	Fri 9/1/06
150	6.0	Ongoing Action Plan Tracking/Follow-Up	62%	Wed 3/1/06	Mon 5/1/06	NA	Fri 12/28/07
151	6.1	OSHA Assessment Action Plan	100%	Mon 5/1/06	Mon 5/1/06	Fri 5/12/06	Fri 7/28/06
152	6.2	Material Handling & Rigging Plan (ATS 1948)	85%	Mon 5/15/06	Mon 3/5/07	NA	Fri 4/27/07
153	6.3	Industrial Hygiene Plan (ATS 2823)	60%	Wed 3/1/06	Wed 5/24/06	NA	Thu 2/15/07
154	6.4	Electrical Safety Action Plan (ATS 2725)	60%	Mon 5/1/06	Mon 6/18/07	NA	Fri 12/28/07
155	6.5	Authority Having Jurisdiction (AHJ) Nationally Recognized Testing Laboratory (NTRL) Action Plan	40%	Mon 5/15/06	Mon 5/14/07	NA	Sun 9/30/07
156	6.6	Inadequate Control of Procedures (ATS 2935)	90%	Wed 3/1/06	Wed 7/12/06	NA	Sun 4/1/07
157	7.0	Evaluation of ISM Recommendations & Improvement Initiatives	42%	Wed 3/1/06	Mon 5/1/06	NA	Tue 2/13/07
158	7.1	Evaluation of ISM Recommendations/Opportunities for Improvement	46%	Wed 3/1/06	Mon 5/1/06	NA	Fri 12/29/06
159	7.1.1	Radiological Protection Plan Revision	73%	Wed 3/1/06	Tue 8/1/06	NA	Fri 9/29/06
160	7.1.1.1	Revise the RPP scope statement to clarify the requirements of 10CFR835 for off-site radiological work	25%	Mon 5/15/06	Tue 8/1/06	NA	Tue 9/19/06
161	7.1.1.2	Communicate RPP requirements to applicable Managers & Staff	0%	NA	Wed 9/20/06	NA	Fri 9/29/06
162	7.1.2	Radiological Awareness Report (RAR) Performance Expectations	100%	Wed 3/1/06	Tue 8/1/06	Fri 3/31/06	Thu 8/3/06
163	7.1.3	Waste Management Representative Support Services Evaluation	100%	Wed 3/1/06	Tue 8/1/06	Tue 4/25/06	Tue 9/26/06
164	7.1.4	Life Sciences Safety Culture/Performance Expectations	100%	Wed 3/1/06	Tue 8/1/06	Fri 3/31/06	Mon 8/14/06
165	7.1.5	Conduct of Operations Evaluation and Implementation	23%	Wed 3/1/06	Mon 5/1/06	NA	Mon 11/6/06
166	7.1.5.1	Facilities & Operations Directorate perform an extent of condition review to determine if conduct of operation noncompliance exists across operational facilities	40%	Mon 5/1/06	Mon 5/1/06	NA	Wed 7/12/06
167	7.1.5.2	Internal Audit and Oversight perform an effectiveness review of all corrective actions for the findings from the August 2003 IO Assessment	0%	NA	Mon 9/4/06	NA	Mon 11/6/06
168	7.1.5.3	Review/Update existing F&O Directorate Conduct of Operations Program	45%	Wed 3/1/06	Thu 7/13/06	NA	Wed 8/23/06
169	7.1.5.4	Provide awareness training to applicable F&O staff on conduct of operations principles, program revisions, and management expectations	0%	NA	Thu 8/24/06	NA	Thu 9/21/06
170	7.1.6	Nuclear Safety Authorization / Readiness	54%	Mon 4/3/06	Mon 7/3/06	NA	Wed 11/29/06
171	7.1.6.1	Perform a verification of implementation and compliance with 10CFR830, Subpart B Nuclear Safety Management	100%	Mon 4/3/06	Mon 7/3/06	Fri 7/7/06	Thu 9/28/06

BNL ISM/Safety Improvement Project Plan (ATS# 2944)

ID	WBS	Task Name	% Complete	Actual Start	Baseline Start	Actual Finish	Baseline Finish
172	7.1.6.2	Perform an assessment of documented safety bases or pertinent exclusions/Exemptions	10%	Mon 8/14/06	Fri 9/29/06	NA	Thu 11/9/06
173	7.1.6.3	Provide Unreviewed Safety Question determination training to managers and staff responsible for nuclear facilities	100%	Thu 7/6/06	Thu 7/6/06	Fri 7/28/06	Mon 7/10/06
174	7.1.6.4	Conduct an external assessment to independently verify Essential Safety System Functionality	5%	Mon 8/7/06	Fri 11/10/06	NA	Wed 11/29/06
175	7.1.6.5	Update the Natural Phenomena Hazard (NPH) Design Document	0%	NA	Mon 9/11/06	NA	Fri 10/6/06
176	7.1.7	Operating Experience / Lessons Learned Initiatives	52%	Mon 5/15/06	Tue 5/30/06	NA	Fri 12/29/06
177	7.1.7.1	Expand distribution of published lessons learned communications to include Level 1 and Level 2 managers, ES&H Coordinators, WCMs, and Safety & Health Services personnel	100%	Mon 5/15/06	Tue 5/30/06	Wed 5/31/06	Fri 6/16/06
178	7.1.7.2	Commence tracking & trending feedback received on each published Lessons Learned Communication	100%	Mon 6/19/06	Mon 6/26/06	Fri 8/18/06	Wed 8/9/06
179	7.1.7.3	Initiate a Bi-Annual Lessons Learned Coordinators workshop to prompt feedback, evaluate, and improve the BNL LL program	0%	NA	Wed 12/6/06	NA	Fri 12/29/06
180	7.1.8	Construction Safety Subject Area review/Update	25%	Mon 3/27/06	Mon 6/12/06	NA	Thu 9/28/06
181	7.1.8.1	Perform a comprehensive review of the construction safety subject area, and incorporate improvements and new requirements	25%	Mon 3/27/06	Mon 6/12/06	NA	Thu 9/28/06
182	7.2	Worker Safety & Health Program Implementation	31%	Mon 5/1/06	Mon 5/1/06	NA	Tue 2/13/07
183	7.2.1	Worker Safety & Health Rule Implementation	39%	Mon 5/1/06	Mon 5/1/06	NA	Mon 12/4/06
184	7.2.2	Development of Field Validation Criterion	13%	Mon 5/1/06	Mon 5/1/06	NA	Mon 12/4/06
185	7.2.3	Investigation/Causal Analysis and Corrective Actions	50%	Mon 5/1/06	Mon 5/1/06	NA	Mon 12/4/06
186	7.2.4	Worker Safety & Health Elements in Place & Program Expectations Communicated	0%	NA	Tue 12/5/06	NA	Tue 2/13/07
187	7.3	Safety Improvement Initiatives	49%	Fri 3/31/06	Wed 5/3/06	NA	Fri 12/29/06
188	7.3.1	Excellence in ESS&H Strategic Focus Area	45%	Tue 5/9/06	Tue 5/9/06	NA	Sat 9/30/06
189	7.3.2	Safety Observation Training for Managers and Supervisors	45%	Tue 5/9/06	Tue 5/9/06	NA	Thu 11/2/06
190	7.3.3	OHSAS Registration Phase 3 Completion	75%	Fri 3/31/06	Wed 5/3/06	NA	Fri 12/29/06
191	7.3.4	Employee Concerns Program Evaluation	0%	NA	Wed 1/3/07	NA	Wed 1/31/07
192	7.3.5	Executive Management Training Program	15%	Tue 8/1/06	Tue 8/1/06	NA	Mon 1/1/07
193	7.3.6	Electronic Delivery of Experimental Safety Review Forms Evaluation	0%	NA	Wed 11/1/06	NA	Tue 2/27/07
194	7.3.7	Effectiveness of Off-Site Integrated Safety Management	0%	NA	Mon 1/1/07	NA	Thu 3/1/07
195	7.3.8	Institutional Safety Committees Reporting Structure Review	25%	Fri 8/18/06	Mon 8/21/06	NA	Fri 10/27/06
196	7.3.9	Feedback & Improvement, and WP&C Follow-Up Review	0%	NA	Fri 9/1/06	NA	Fri 10/27/06
197	8.0	Project Management and Support	35%	Mon 5/1/06	Mon 5/15/06	NA	Tue 8/19/08
198	8.1	Consulting Services & Subject Matter Experts	38%	Mon 5/1/06	Mon 10/2/06	NA	Fri 7/27/07
199	8.2	Administration and ISM Workshops	35%	Mon 5/1/06	Mon 5/15/06	NA	Tue 9/18/07
200	8.3	ISM/Safety Improvement Project Closeout	0%	NA	Wed 8/6/08	NA	Tue 8/19/08